Draftsman® CuttingShop™

ABOVE:
The original bitmap image is imported.

RIGHT:
The picture is vectorized; long lines and arcs are shown with end points.

BELOW:
The finished vectors are exported and

SCAN and CUT

Draftsman's Cutting Shop is the premier 32 bit raster-to-vector conversion program for all cutting applications. It is simple to install, easy to use and extremely fast. The program imports color, gray and black and white images. Scans of both sketches and silhouettes are quickly converted into high quality, ready to cut, vector drawings.

Any TrueType font is instantly outlined with long lines and arcs. Whether they comprise a vectorized drawing or an outlined font, complex curves are made of a series of end to end arcs, and outlines are closed polygons. Images converted with Cutting Shop cut smooth and the cutting tool stays down until the outline is finished, optimizing your cutting operation.

PREPARATION - Cutting Shop has many features designed specifically for NC applications, such as *line offset, cuttable fills, automatic and manual tool path sorting, show direction of cut and,* if required, *reverse it.* Also, you can import DXF files from low-end raster-to-vector programs and automatically create long lines and arcs from the thousands of short vectors that these programs can create.

EDIT - Because Cutting Shop is a hybrid raster/vector program and because clean-up is always a concern, Cutting Shop comes with an impressive variety of vector and raster editing functions; stretch, scale, move, copy, delete, insert and join - about 40 of these tools are available.

EXPORT - Vectors are exported to DXF, PLT, IGES and other CAD and CAM-specific formats. Vectors, raster, or the combined raster and vector hybrid image can be saved or printed. Vectors can be drawn on the raster image and the combined raster/vector drawing can be saved back as a raster drawing.

RASTER TO VECTOR CONVERSION
- Convert All or Selection to Vectors
- Color and Gray Support
- Silhouette Conversion
- Sketch Conversion
- Preset and User Defineable Conversion Parameters
- Long Lines and Arcs

FONTS
- Silhouette any TrueType font
- Type on an Arc or Series of Arcs

NC PREPARATION
- S-Fill, Hatch Fill
- Bridge Tool
- Automatic Tool Path Optimization
- Manual Tool Path Sort
- Change Direction of Cut

HEADS-UP DIGITIZING
- Snap to Raster
- Snap to Vector
- Raster Editng
- Vector to Raster Conversion
- Trace with Lines, Circles, Arcs, Text and Polygons

RASTER EDITING
- Vector to Raster Conversion
- Box and Polygon Erase
- Pixel Editing
- Hole Filling
- Raster Grid
- Despeckle
- Copy

RASTER FILES IMPORTED/EXPORTED
- PCX
- BMP
- Tif Group 4
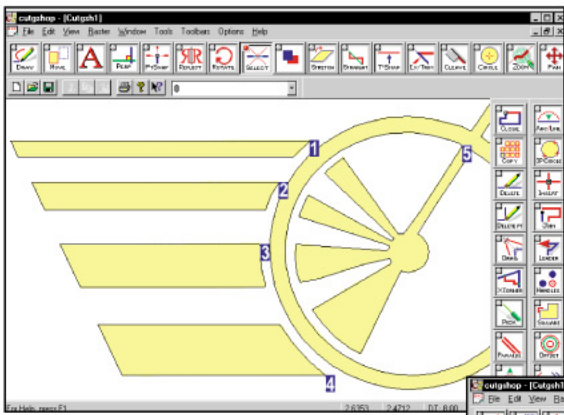- Tif Uncompressed
- Tif Pack Bits
- RLC
- CALS Group 4

VECTOR FILES EXPORTED
- DXF
- PLT
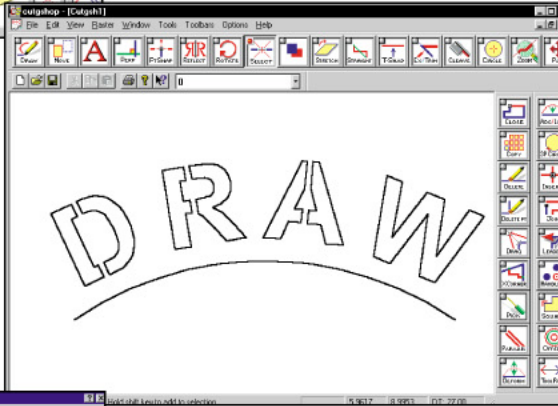- IGES
- DXB
- CGM
- HPG
- TXT
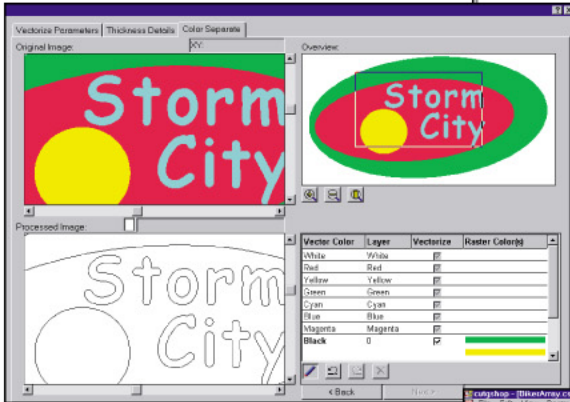- 2D

PRINTING
- Raster, Vector and Hybrid Printing

Converted vectors, in black, overlay the raster image, in yellow; the user manually modifies the tool path cutting order of the objects.
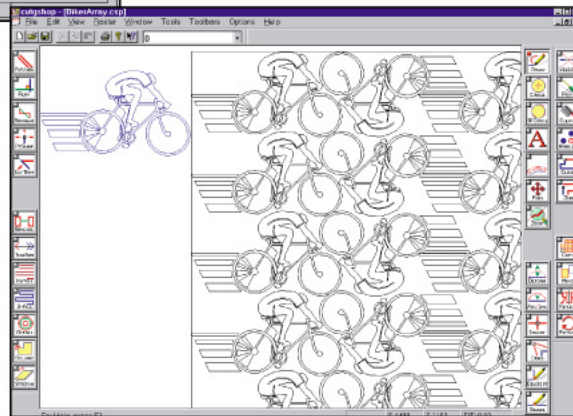
True Type Fonts may be placed on an arc and are automatically outlined in ultimate precision. Bridges may be inserted so that inner areas are connected to the exterior areas.

Products ideal for Cutting Shop include:

Jewelry	Vinyl & Wood Signs
Stencils	P.O.P. Displays
Tooling	Stained Glass
Cabinets	Film Industry Props
Molds	Picture Frame Mats
Toys	Clothing Dies
Furniture	Wrought Iron Gates
Badges	Rubber Floor Mats
Gaskets	Steel Rule Dies
Packaging	Automotive Mirrors
Monuments	Quilt Patterns
Router Bits	Decorative Mirrors
Gun Parts	Custom Knives
Trophys	Crafts - Silhouettes
Toys	Airplane Models
Gun Stocks	Picture Frames
Hand Axes	Technical Manuals
Holiday Ornaments	
Plastic and Metal Machine Parts	
Promotional Products such as Key	
Chains and Money Clips	

Color, gray and black & white images are quickly converted to vectors.

Simple nesting (optional) quickly fills your work space with copies of parts to be cut out of a single sheet of material.

SUGGESTED RETAIL PRICING

Cutting Shop is priced to suit your requirements: the two models PF and LF are the same except for the size of the image each will process. The indicated sizes are for scans up to 300 DPI.

REQUIREMENT(S)
Windows 95, 98 or NT   Minimum 32Mb

PROGRAM	MODEL	DESCRIPTION	SUGGESTED RETAIL
Cutting Shop	LF	Supports scans up to 100" x 100"	$ 2,495.00
	PF	Supports scans up to 11" wide	$ 1,195.00
Option	Simple Nesting		$ 395.00

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This brochure can be printed on any high quality color printer. Dealer contact information can be added to the bottom of page one.